



**CERTIFICATE OF MAILING**

hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Box Fee Amendment; Commissioner for Patents, Washington, DC 20231 on: April 2, 2003.

Lynne W. Moore  
Lynne W. Moore

PATENT

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APR 10 2003  
TECH CENTER 1600/2900

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Applicant: Vincente Dias et al : Group Art Unit: 1632  
Serial No.: 09/158,272 : Examiner: J. Woitach  
Filed: September 22, 1998 :  
For: **Beta Recombinase In Eukaryotic Cells, Especially For Transgenic Work**

Box Fee Amendment  
Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Transmitted herewith is an Amendment in the above-identified application.

☒ Additional fee is required.

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUS PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	28	32	0	x \$18 =	\$ 0.00
Independent Claims	10	9	1	x \$84 =	\$84.00
<b>TOTAL FEE DUE</b>					<b>\$84.00</b>

☒ A check in the amount of **\$84.00** is enclosed.

☒ The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment, to Deposit Account No. 04-1133, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

By:

Clare M. Iery

Clare M. Iery  
Registration No. 51,833  
DINSMORE & SHOHL LLP  
1900 Chemed Center  
255 East Fifth Street  
Cincinnati, Ohio 45202  
(513) 977-8192

Date: April 2, 2003  
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Lynne W. Moore  
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#275  
4/14/03  
**PATENT**

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APR 10 2003  
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**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Applicants: Vincente Dias et al : Paper No.:  
Serial No.: 09/158,272 : Group Art Unit: 1632  
Filed: September 22, 1998 : Examiner: Joseph T. Voitach  
For: **Beta Recombinase in Eukaryotic Cells, Especially for Transgenic Work**

**AMENDMENT**

Box Fee Amendment  
Commissioner for Patents  
Washington, DC 20231

Dear Sir:

In response to the Official Action dated January 2, 2003, please amend the present application as follows:

**In the Claims:**

Please cancel claims 32, 45, 48, 49, 54 and 59.

Please amend claims 27, 28, 33, 35-43, 50, 53, 55-57, 60-61 and 64-65 to read as follows:

27. (Fifth Amendment) A method for mediating transgenic intramolecular recombination selected from deletions of DNA sequences located between two *six* sites and inversions of DNA sequences located between two *six* sites, in *in vitro* mammalian cells, comprising the steps of transfecting the mammalian cells with prokaryotic beta recombinase derived from *Streptococcus* and transfecting the mammalian cells with DNA sequences